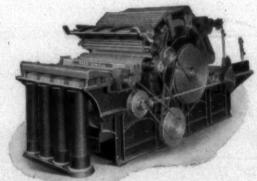
TEXTILE BULLETIN

VOL. VII

CHARLOTTE, N. C., MAY 7, 1914

NUMBER 10

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TEXTILE MACHINERY

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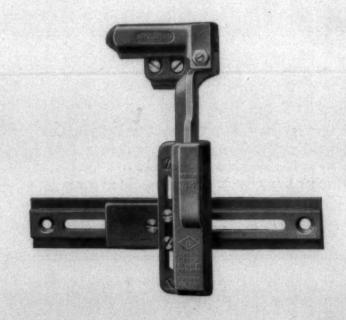
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GRAPHITE LUBRICATING COMPANY, - - Bound Brook, N. J.



SOUTHERN TEXTILE BULLETIN

VOL. VII

CHARLOTTE, N. C., MAY 7, 1914

NUMBER 10

ELECTRIC CONTRACTS

WM. L. PUFFER before National Association of Cotton Manufacturers.

Whenever it appears desirable for age estimate. a manufacturer to compare the Next in order will be the neces-probable cost of producing his own sity of estimating the probable power as against the purchase of it amount of time in the year that the some corporation, he finds immediately that there is great diffi-culty, due to a complete want of understanding by the purchaser of the terms used by the seller; in short the contract agent begins to talk in what is substantially a for-eign language and it is to be feared purposely avoided.

Trouble and misunderstanding always appear when a seller is obliged to use terms and words not clearly understood by the buyer, and it is practically impossible to talk even the simplest electrical matters without making use of the requirements of a mill, but prob-technical expressions, and when it ably no two people will give the is necessary to discuss the compli- same exact statement of the meancations of the fluctuations of a mill load and the proper rates suitable the examination of several defini-to such conditions the average tions that can be made up. A horse keen business man is soon beyond power year might behis depth.

It naturally happens that the electric company having repeated demands for some sort of a contract form of selling power will soon draw up a "standard power contract" which will embody all of the things which experience has shown to be desirable from the point of view of the company.

Many of these contract forms have fine print "regulations" or "condiwhich are hereby made part of this agreement" and which must be examined very carefully to find the effect they have on the apparent meaning of the main con-

These "conditions" refer generally power to matters unknown to the purchaser and do not from their phrase-ology seem to refer to any material thing concerning the trade which is being made.

One of the earliest inquiries during the preliminaries of contract will be "how many horse power will the mill require?" Generally speaking, there is no great difficulty in arriving at some idea of this quantity either from a skilled study of proper indicator cards or the known requirements of new machinery. It must be remember-

assumed horse power will be used. The answer will be found in the number of hours the plant will operate in a year of 3,000, 2,800 or 2, 500 hourse of full time. The result should be expressed in horse power hours and may or may not include a proper allowance for overtime, that in some cases explanations are night work, short hours and partial purposely avoided. way of stating the actual requirements for a working year.

The words "horse power year" constitute a very common expression often used in an endeavor to give definiteness to a statement of ing of the term, as can be seen by tions that can be made up. A horse

1. Exactly Definition No. horse power steadily day and night throughout the year, or 1 H. P. x 365 days x 24 hours equals 8,760 hours use of exactly one horse power.

Definition No. 2. Exactly one throughout the year except Sundays and, say, three holidays, or 1 the number of horse power hours H. P. x 319 days x 24 hours equals they use in a year.
7,440 hours use of exactly one horse In order to deal with these un-

Definition No. 3. horse power steadily for a ten hour day for every day in the year, or 1 H. P. x 365 days x 10 hours equals 3,650 hours use of exactly one horse

Definition No. Exactly one horse power steadily for a ten hour day except Sundays and, say three holiday, or 1 H. P. x 310 days x hours, equals 3,100 hours use of exactly one horse power.

actly one horse power.

Definition No. 5. Exactly one words, it is the greatest amount of horse power steadily for an eight power ever required at any time. hour day excepting Sundays, and. The name of the other idea is holidays or 4 H. P. x 310 "load factor," meaning a number days x hours equals 2,480 hours use

ed that this is merely a statement load would fluctuate by exactly the had the power been used steadily of the largest ordinary amount of same amount (say 10 per cent) above at the maximum rate used at any power it will take to run the mill and below the exact one horse pow- moment during the time. and is liable to considerable error er and that the fluctuations lasted Combining the two ideas. and is also in a way-a sort of aver- relatively shore time. In this case would say that the "demand" is the

driving power were limited to exactly one horse power this average horse power could not be operated the average load is of the maximum. and it would be necessary to be Unfortunately "load factor" has certain of one and one-tenth horse been used in connection with the power, that is, the available capacity would have to be 10 per cent. larger in order to carry the average horse power.

Now consider a load which never exceeds one horse power, but due to the necessary time required to stop some machine or process, the horse power is not required all of the time. This is probably more nearly the average man's idea of a horse power year, and it is exceed-ingly indefinite because of the unknown amount and time the load falls off, and to this uncertainty is added the questions of hours' use per year as raised in the first ex-It takes but a moment's thought to show the glaring uncertainty as to the exact number of power actually required or taken to make up a horse power year. As a matter of fact, there are a very few nower users who know horse power steadily day and night exactly how many horse power they require, or even vaguely estimate

> certainties it will be necessary to Exactly one introduce two ideas and to assign for a ten hour names to them. The first is "de-the year, or mand" and it will be taken to mean the highest number of horse power required at any one of the several times when the load for any reason temporarily or momentarily in-creases. In other words, it is the creases. In other words, it is the size of the theoretical engine which could just carry the maximum load and the slightest increase would cause it to shut down, or in fewer

representing the percentage which of exactly one horse power. the total horse power used in a In place of the perfectly steady given time, such as a day, month load assumed in the previous definitions we could assume that the hours that would have been used load would fluctuate by exactly the had the power been used steadily

the total horse power hours in any greatest use of power at any time given definition of a year would cor- and the "load factor" is the perrespond exactly with the previous centage which the actual horse power and the average horse er hours are to what they would power would be just one. If the have been if the "demand" had been used continuously or in other words, the load factor is the percentage

> day of eight, ten or twenty-four hours', a month or a year of different numbers of hours, consequently the term is dangerous in a contract unless very carefully defined. The writer has never yet been present at a conference or attempt to fix a price without there being a misunderstanding as to why a "mill horse power year" was not exceed-"mill ing definite and as positive as "kilowatts used in a year.'

The reason why this is so, can be found in the fact that no engineer in charge of a steam engine has the means of measuring the actual number of horse power hours his engine has developed. The best he can do is to take indicator cards at times assumed to represent the average lead and then try to estimated or guess the number of hours the load will be or has been used, and even then he has no idea of the under load runs and the runs at odd times. On the other hand, the electrical engineer has many simple and accurate methods and instruments which clearly show by charts, dials or pointers any or all of the desired results.

The electrical terms kilowatt and kilowatt hour are now generally used in place of horse power and horse power hour, the electrical unit being almost exactly one-third

Nearly all power prices are made up of the demand and the load facto charges, in a contract or rate sheet they are indicated by such expressions as "meter," "demand," "service," "service," "readiness to serve," 'primary," "first twenty-four hours' use of the demand" and special prices for the first gives special prices for the first given block of power, etc.

This charge is based upon the as-sumption that there must be a certain part of the whole generating plant assigned to the use of the customer all of the time and that ' cannot safely be used to serve any

(Continued on Page 8.)

Textile Machinery Exhibit

Boston, but the following covers the most important ones.

Psarski Dyeing Machine Co.

The Psarski Dyeing Machine Company had a very interesting exhibit at the Textile Exhibition, at Space 41 on the ground floor, in Department A. The main feature of this exhibit was of one of their small bronze dyeing machines. The ma-chine which was shown is an exact duplicate of many which are in use in textile schools, laboratories and other places where small batches of material are to be dyed. This machine was indentical in construction and principle with the larger ma-This machine was provided with overhead hoist and trolley and other accessories which made the exhibit a miniature reproduction of the larger machines as installed for actual operation in dye houses. The interior of the machine was open so that the method and principle of operation could be clearly and easily understood by the visitors.

Among the other interesting things exhibited were samples of various materials which are being dyed by users of the Psarski Dyeing chine. Among these samples were tops, cheeses, hosiery, warp and many other materials.

Mr. Inman, who thoroughly un-derstands the operation of the Psarski Machine, was in charge of the exhibition.

Whitin Machine Works.

The exhibit of the Whitin Machine Works consisted of two systems of waste manufacture, the Wooden Tape Condenser System, which is primarily for fitting and the Cotton Combination system.

which is primarily for warp yarns. The Woolen System consists of a full roll card or breaker, with Whitin Brammel type automatic feed in which the raw waste mixture is started. From this card the stock goes to full roller type finisher card, the connecting device between these two cards being a diagonal feed apperley type. This finished cone has a tape condenser head of the Whitin Joseph type with 96 good ends waste The stock from this card, on jack spools with 12 or 24 ends goes, either the Pease or Smith type of Whitin Spinning frame.

The Pease frame is a new development incorporating the combination of the best and essential parts of both the mule and ring type of cotton spinning. Among the inter-esting features of this Pease frame is the fact that the spindle rail travels rather than the ring rail resulting in a constant traveler pull both at top and bottom of a 9-inch traverse. The Smith frame is a modification of the regular cotton ring frames the main differences being extra large sizes throughout,

This gives minimum setting of , H. W. Butterworth & Sons. 7-16 inch bite.

Carrier belt is used in place of old scavenger roll.

other system consists of feed, and 2 collers on front. derby double with 40 ends and making a 19 1-2 inch lap came next.

The finisher card was a regular cotton card with metallic breast, fancy and 8 coiler front, using 12x

The sliver went direct from tais card to a 9x4 1-2 slubber and from to a heavy type four roller spinning frame.

General Electric Company.

At the textile exhibition the General Electric Company's exhibit charge. showed four frame drive motors, picker motors, spinning frame motors, form L motors and loom motors in operation, with instruments to show their starting character-

Cloth gears and pinions were shown in operation.

All sizes and styles of Mazda lamps and Holophane reflectors (both glass and steel) suitable for textile mill lighting were also seen.

Special controlling devices tetxile mill motors were found in the G.-E. exhibit as well as in those of twenty-five or more leading textile machinery manufacturers.

The evidence of the intelligent and successful study of textile machinrequirements by the General Electric Company was demonstrated by a careful inspections of the special textile motor applications to found in the exhibits of the following textile manufacturers: Potter & Johnson Machine Co., Whitin Machine Works, Mason Machine Works, Woonsocket Machine & Press Co., Fales & Jenks Machine Co., Crompton & Knowles Loom Works, Stafford Company, Lowell Shops, Foster Machine Co., Universal Winding Co., Easton & Burnham Machine Co., Oswald Co., Draper Company, Davis Furber

Albany Lubricating Co.

The Albany Lubricating Co. had an attractive exhibit showing their line of Albany grease and other pro-

Wm. C. Robinson & Sons Co.

This company were exhibiting their lubricating oils and to a small extent also showed their new product "Slashol."

Mason Machine Works.

The Mason Machine Works had n unusually attractive exhibit but as this was described in detail in our issue of April 23rd, we will not repeat the description. Mr. Cox was in charge.

Alfred Suter.

Alfred Suter of New York, an interesting exhibit of specialties. One of the most interesting was an with three bottom and four top apparatus for putting on and taking rolls. Bottom 1 1-8, front 1 5-8, off travelers. He also showed pow— This company exhibited their middle 3-4 inch back. Top rolls are er testers for yarn and cloth, con-regular Model E machine and the back self weighted 1 inch solid ditioning ovens, recording yarn Barber Knotters, and as a special

H. W. Butterworth & Sons, Philadelphia, exhibited a flat seam sewing machine and one of breaker roller card with Brammel dryers, which was equipped with a A new guide known as the Foxwell, and also with a Simpson winding device. W. S. Rowley was in charge.

J. B. Ford Co.

The J. B. Ford Co., of Wyandotte, Mich., had a very complete line of cotton silk and woolen goods, hosiery and yarns, on which their products had been used. An interesting feature was a fur fabric. Anti-ceptic cotton made in the South with J. B. Ford Co., products was also shown. F. S. Klebart was in

Franklin Process Co.

The Franklin Process Co., Providence, R. I., showed a small worsted and also a cotton machine, and both of them were doing the actual dyeing in the exhibit hall. The exhibit also contained goods from the Gibson Mfg. Co., Concord, N. C., which were made from yarns dyed in the Franklin Process chine. J. B. Barrett and G. C. Urquhart were in charge.

American Warp Drawing-in Machine Co.

The feature of this exhibit was a new machine, a semi-automatic machine for drawing in any number harness on fancy work each end was drawn in by the operative the pattern chain caused the next harness to be drawn in rise slightly above the others and the operation therefore could make no mistake.

Special leasing attachment for slashers and other machines were shown. E. F. Hathaway was charge and was assisted by A. W. Harris of Atlanta.

S. F. Bowser Co.

This company exhibited a very complete line of oil handling devices.

Henry L. Scott & Co.

This company exhibited yarn testers and other devices

Richards, Atkinson & Hasericks. The company exhibited an imported cotton comber.

American Moistening Co.

One of the most interesting things in the entire machinery exhibit was the Standard System for Conditioning and Regain, which was exhibited by the American Moistening Co. large metal room was provided for yarns in skeins or on bobbins and a ender and drying rollers. regulated system of humidity that conditions the yarn and gives regain.

The American Moistening Co. also exhibited their various forms of humidifier heads, and regulating vices and also a cluster of tangenteal atomizers. Frank Comins was in hibited and also several machines charge of the exhibit. with S. K. F. bearings.

This company exhibited their The feature of the exhibit of the regular Model E machine and the Crompton & Knowles Loom Workks

It was very difficult to get a com-steel and the two front roll are 5-8 scales, yarn boards, twist testers, feature a tie-in machine called a plete write-up of all the exhibits such leather covered rolls.

etc. Mr. Suter was in charge.

perambulator which can be carried to the back of the looms. R. E. Mc-Causland was in charge.

Ashworth Bros.

Ashworth Bros. exhibited a machine for making card clothing for top flats and as it was in operation it attracted a crowd throughout the entire week. W. H. Bigelow of Charlotte, and J. W. Horner of Atlanta, were at the booth much of the time.

Cell Drier Machine Co.

The Cell Drier Machine Co. had on exhibit a new model machine driven by a roller chain. It was designed to save floor space and very compact and efficient.

Carrier Air Conditioning Co.

This company had a very elaborate exhibit showing a complete system for cooling, heating and ventilating; also having automatic con-

The feature of the exhibit was the fact that it covered a small building of two stories in order to demonstrate that one system give different heat and humidity in different rooms. The exhibit was in charge of J. I. Lyle and E. T. Lyle and attracted much attention.

Leatheroid Mfg. Co.

The Leatheroid Mfg. Co., with J. W. Cass in charge, exhibited a full line of roving cans and doffer boxes. The cans were seamless with rolled rims and steel bottoms. The boxes had bottom steel bands.

Steel Heddles Mfg. Co.

The Steel Heddles Mfg. Co., had on exhibit a full line of their metal doups, flat steel heddles, and a simplex drawing in machine. As they were in the space next to the Southern Textile Bulletin we saw that much interest was taken in their exhibit, which was in charge of Robt. J. Friestag, J. J Kaufman and J. H. Hill. Part of the looms in every loom exhibited were equipped with steel heddles from this com-

pany. N. Y. Revolving Portable Elev. Co. The revolving elevators for handexhibited their ling cotton and goods attracted much attention.

R. & J. Dick Co.

A full line of Dick Belt was ex-

hibited in their booth.

Klauder-Weldon.

Two Klauder-Weldon dyeing machines were exhibited and also a skeleton machine

Textile Finishing Machine Co.

They exhibited a suspension skein mercerizing machine and also cal-

Wm. Sellers & Co.

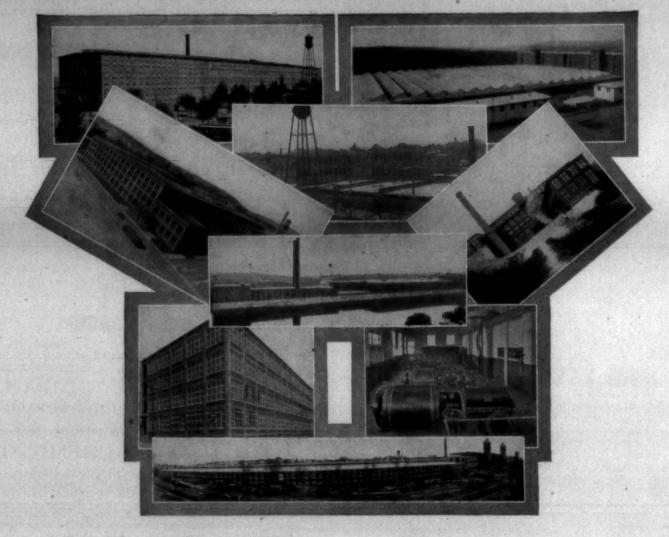
They had a full line of shafting. hangers and pulleys, most of them being in operation.

S. K. F. Ball Bearing Co.

A line of ball bearings were ex-

Crompton & Knowles Loom Works.

(Continued on Page 6.)



G-E Mill Power Equipment Predominates in 1913 Construction

A list of the important mill construction work during 1913 reads like a roll of General Electric Company textile mill power equipment sales. There are good sound reasons for this preference shown at a time when industrial competition demands the utmost return from every dollar invested in productive machinery.

The textile mill power experts of the General Electric Company will be glad to show you how electric drive assists in meeting competition. This service is freely offered without implied obligation to buy. It is based on the experience gained in installing apparatus to apply 75 per cent of the electric power used in the textile industry today.

Mills Having Extensive Construction Work Done in 1913-

	NAME OF COMPANY	Electric Power	G-E Equip. Used	NAME OF COMPANY	Electric Power	G-E Equip. Used	NAME OF COMPANY	Electric Power	G-E Equip. Used
ı	Naumkeag Steam Cotton Mills	Yes	Yes	Cosmos Cotton Co	Yes	Yes	Saxonia Dress Goods Co	Yes	No
ı	Pacific Mills	Yes		Lonsdale Mfg. Co	No	No	Chalmers Knitting Co	In part	No
ı	Riverside & Dan River Mills	Yes		Empire Cotton Co.	Yes	Yes Yes	H. C. Aberle		Yes
ı	Ludlow Mfg. Associates Erlanger Cotton Mills	Yes	Yes	Hope Webbing Co	No No	No	Moorhead Mills		Yes
ı	Woodside Cotton Mills	Yes	40	Crystal Spring Bleachery	Yes	No	Sterling Knit Goods Co		No
ı	Virginia Cotton Mills	Yes Yes	Yes	Sterling Mills	Yes	Yes	Potter Knitting Co		No
1	Dixie Cotton Mills	Yes	No	Columbus Mfg. Co	Yes	Yes	Whitehead Hosiery Mills	Yes	Yes
	Andrew McLean Co.		Yes	Cleveland Worsted Mills	No	No	Russell Mfg. Co		Yes

General Electric Company



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New York, N. Y. Chicago, Ill. Philadelphia, Pa. Denver, Colo. Sales Offices in all Large Cities District Offices in: Atlanta, Ga. San Francisco, Cal.

Textile Machinery Exhibit.

(Contined from Page 4) tention on account of the smooth-exhibit was the fact that every loom ness and efficiency of its operation. exhibited was automatic.

Among the looms the special feature was a heavy duck loom with a shuttle changing mechanism. other looms were a four color terry towel loom, a four color jacquard blanket loom, a two color gingham loom, a six color gingham loom, four box heavy worsted loom, an 84 inch piece dye loom with Draper

magazine.
All of the above looms were in operation and attracted much atten-

W. T. Lane & Bro.

The exhibit of W. T. Lane & Bro.,

Woonsocket Machine and Press Co.

The Woensocket Machine and Campbell Aspriator for coton cards, causing two jets of air to traverse and blow through the screens, thereby keeping the point of the wire clean.

frame, which was run by a half inch helt and which was claimed to have been the lightest running frame the world. It had a chain bobbin

Their drawing frame was equip-ped with Campbell ball bearing rolls.

Potter & Johnst 'n.

The Potter & Johnston Machine Co. exhibited their latest model card with a single belt drive, adjustable feed roll, comb operated from disengaging gears and a low front.

They also exhibited a single beater breaker lapper to which was attached a double hopper feed with waste stock mixer. The small hopattracted much attention.

Fales & Jenks.

The Fales & Jenks Machine Co. exhibited their latest model tape driven spinning frame with ball driven spinning frame bearing spindles and cylinders, steel creel, sheet steel clearers. A novel attachment was the traveling thread board and beam clearer. They also exhibited a heavy tape drive twistfor handling yarn from warper beams

Easton & Burnham.

Easton & Burnham Machine Co. exhibited a late model spooler and reel with several new features.

T. C. Entwistle Co.

T. C. Entwistle Co. exhibit a beam waper and also balling attachment for same.

John Hetherington & Sons.

The Nasmith comber with Roth Aspirator which is driven by a fan underneath was exhibited. This comber was also provided with a waste reclaiming device which condensed the waste and put it through a coiler into a can

They also exhibited for the first time in this country a Hetherington Camless Cone winder, which peared to be a very simple and efficient machine.

The Cooleemee Quill Cleaner.

The Cooleemee Quill Cleaning machine of Corcord, N. C., was in oper- tape drive and a new variable speed

ation and attracted considerable at-

The Automatic Belt Clamp.

very efficient and useful machine was the Automatic Belt Clamp shown by Jones & Hardy. It is designed to hold belts of almost any size when they are to be laced as cemented and it will unquestionably save much time and labor for the master mechanics.

C. J. Root & Co.

C. J. Root & Co. of Bristol, R. I., exhibited their full and well-known line of counters

Philadelphia Drying Machine Co.

The Philadelphia Drving Machine consisted of their well known line Co. did not have a cuschinery on of canvas baskets. It was in charge exhibit but the scowed photo-of E. E. Curley and A. H. Lane. praph of their vious dryers.

Foster Machine Co.

The Poster Machine Co. whose ex-Press Co. had as a feature the hibit was in charge of E. T. Fowler showed in operation their model cone winder. No. 25 Model double and a No. 24 model tube winder. The last named machine the wire clean.

They also exhibited a roving filled with Non-Fluid Oil from the ame, which was run by a half inch N. Y. & N. J. Lubricant Co.

Hess-Bright Mfg. Co.

The Hess Bright Mfg. Co., had a larger space filled with a number of machines, all of which were fitted with their ball bearings.

Macrodi Fiber Co.

The Macrodi Fiber Co. exhibited their line of fiber spools. Harry Ballou was in charge.

Dana A. Courtney Co.

This company exhibited a very complete line of bobbins and quills.

Stuart W. Cramer.

exceedingly well arranged per for feeding in and mixing waste and interesting exhibit was that of attracted much attention.

All exceedingly well arranged per for feeding in and mixing waste and interesting exhibit was that of attracted much attention. Air Conditioning. The heads and other apparatus were in this system were shown as well as the automatic control devices. This booth attracted a large number of visitors and with exception of the Cooleemee Quill Cleaner, was the only Southern machinery exhibit.

Saco-Lowell Shops.

On account of posts which were situated in the space of the Saco-Lowell Shops and which were not shown on the plan furnished them, not able to install their entire exhibit.

The feature of their exhibit was a new spooler for handling filling wind bobbins through the use of a ball tention device. The spooler also had many new features including a gear traverse change and a mangle wheel through which the shape of bobbins could be instantly changed. Other features bobbin return and a relief motion.

A breaker waste card was shown which had a new feature which was an apron delivery. A new beam warper showed a patented expension comb. The well-known cam-less winder with several improvements was shown as was also a twister for bearing twisting from warper beams.

A late model spinning frame with

CLEAN FLOORS MEANS LOWEST FIRE RISK-

SAVOGRAN

1 pound makes 2 gallons Jelly or soft soap. In this way barrel lasts twice as long.

Soft Soap Powder

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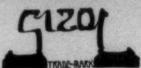
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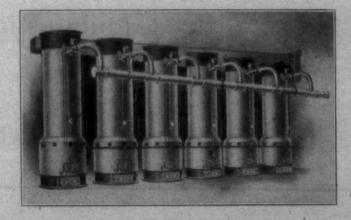
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Complete Cotton Mill Equipment The Best Advice is Obtained from Specialists

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> DRAWING AND ROVING MACHINERY WOONSOCKET MACHINE & PRESS CO. WOONSOCKET, R. I.

> > SPINNING AND TWISTING MACHINERY FALES & JENKS MACHINE CO. PAWTUCKET, R. I.

> > > SPOOLING AND WINDING MACHINERY EASTON & BURNHAM MACHINE CO. PAWTUCKET, R. I.

> > > > WARPING AND BEAMING MACHINERY T. C. ENTWISTLE CO. LOWELL, MASS.

Southern Office Independence Bldg., CHARLOTTE, N. C.

Northern Office Marshall Bldg., BOSTON, MASS.

The Draper Company.

The exhibit of this company was in keeping with the liberal and progressive policy of that company and attracted considerable attention. A special feature was the microps recording yarn tester in continuous

Their exhibit of looms contained

the following

One M. Model, 40-inch loom, for making fine goods, using 6 3-4-inch filling battery with cop filling. The loom is equipped with cut gears, high roll worm take up, Roper let off, double fork, feeler, single thread stop motion arranged in four banks, and with lightweight drop wires, roll and shaft harness motion for two shade goods. It has the Durkin Thin Place Preventer and special vage temple. Dutcher Temples with 4 1-4-inch One 40-inc

One E Model, 36-inch loom, with filling battery for 8 3-4-inch bobbin with extra large diameter, high roll take up, Roper let off, single filling fork, single thread warp stop motion, Lacey Overhead Harness Motion ar-

one P Model loom for 36-inch goods with filling battery for § 3-4-inch bobbins, extra large diameter, high roll take up, chain friction let off single filling forth foeler, single off, single filling fork, feeler, single thread warp stop motion, overhead spring harness motion arranged for four shade weaving.

One K Model loom for 36-inch goods with 7 3-8-inch filling battery using cop filling. It has high roll

motor attracted much attention, take up with Nutting improvement of their machines for cleaning quills Jas. Strang was in charge of the ex- chain friction let off. Durkin Preventer, single filling fork, feeler, single thread warp stop motion, 20harness Crompton & Knowles dobby of Stafford pattern.

One 90-inch L Model loom with battery for 8-inch bobbins, high roll take up, compound let off, single on bobbin filling, and one loom was filling fork, single thread warp stop running both cop and bobbin filling motion, roll and shaft harness mo- in the same magazine to demonstrate tion, roll and shaft harness motion, Dutcher temples with 4 1-4-inch rolls.

One 36-inch H. Model loom, with, filling battery for eight-inch bobbins, special corduroy take-up, extra heavy chain friction let vibrating whip roll, single filling fork, feeler, single thread warp stop motion, side cam harness motion for eight shade, and with nine throw for corduroy weave, special sel-

One 40-inch E Model loom, with filling battery for eight-inch bob- 32-inch bags, 64 x 68, 24's warp and bins, high roll worm take up, cut gears, Roper let off, single filling ped with the new Stafford bag mogears, Roper let off, single filling fork, single thread warp stop mo- tion tion arranged in three banks, roll thags and shaft harness motion for two

One 30-inch E Model loom with battery for 8-inch bobbins, steel harness warp stop motion, high roll take up, Roper let off, single filling fork with special feeler using Straw's patent shuttle and feeler devices, steel harness warp stop motion roll and cheft and steel harness warp stop motion, roll and shaft overhead

and a new machine for cleaning the waste from roving frame bobbins.

The Stafford Company.

The exhibit of the Stafford Company comprised eleven "Ideal" Automatic Looms, each weaving a different fabric, some on cop and others the fact peculiar to Stafford Automatic Looms, that they handle cop filling as readily as bobbin.

One of the looms was driven by a direct connected General Electric motor. The others were belt driven border. from a line of overhead shafting, 36-in which was driven by a single General Electric motor so that a de-monstration was afforded of both the group and individual electric

The looms were making the fol-

tion and was weaving complete

Terry Towel loom. This loom was weaving handsome terry towel with the new improved Stafford terry motion, and created unusual in-terest on account of the very handsome quality of towel it was turn-

ing out.
Duck Loom. Duck Loom. This was the latest model of Stafford Duck Loom, and was making a high grade 12 ounce

This loom was Denim Loom. Lyon Mfg. Co. making a blue denim 64 x 38, 9's

This company had on exhibit one warp and 12's filling.

40-inch Sheeting Loom, making a sheeting 80 x 80, 28's warp, 44's fill-

32-inch fine goods loom, making a piece of goods 64 x 64, 40's combed warp and 40's filling.

62-inch Worsted loom, making a piece of worsted dress goods, equip ped with the latest improved Stafford positive dobby.

Broad sheeting loom, making a 90-inch sheeting, 68 x 72, 20's warp and 28's filling.

36-inch Towel Loom, making cotton towel, equipped with a double cylinder dobby for weaving the

36-inch Corduroy loom, making a very handsome piece of corduroy, 36 x 350, 30-3 warp, 21's filling. 40-inch fine goods loom, making 72 x 72 goods, 60s warp, 70s filling.

The ball bearing loom with new

shuttle change motion for fine goods was a feature of the exhibit. A positive dobby on a worsted loom and a double contact feeler were also especially noted.

Jos. Dixon Crucible Co.

During the week many took advantage of calling at the attractive exhibit of the Joseph Dixon Crucible Co., in Department D. Conspicuous in the back-ground of the exhibit stood a large picture of the factory. Jersey City, above which was a list of Dixon Products, well-known to the Textile trade, including Dixon's Textile Crayons, lubrication, Dixon's Silica-Graphite Paint and Pipe Joint Compound. Surrounding the picture and displayed on the counters

(Continued on Page 8)

Textile Machinery Exhibit.

(Continued from Page 7.) were cans and packages of various Dixon products, and samples affording a good opportunity for inspec-tion. The Dixon men in attendance were H. A. Nealley, Guy W. Hart, C. A. Shaw, L. W. Brooks, and A. K. Ingraham.

Universal Winding Compnay.

The Universal Winding Company had a very complete exhibit of their winders, all being in operation. The feature of the exhibit was a new machine known as the Progressive Winder, and which is especially adapted to doubling fine yarns for twisting.

Another new idea was the application of a variable speed motor to winding. Other machines exhibited were a doubler for automobile tire a double for worsted yarns, a No. 90 far silk and cotton which also had a bunch builder attach-The exhibt was in charge of F. H. Bishop, Chas. W. Pierce, A. L. Jackson, Sidney Owens and F. J. Quinn.

G. M. Parks Co.

The G. M. Park Co. had a very attractive exhibit of the Turbo Humilifier, and the Ingersol-Rand Air Compressors, which are used with their system. They show the ring construction system of Turbo head?, which is especially adapted for saw tooth roof mills. They also showed their cluster tank system. R. S. Parks, T. W. Parks, B. S. Cottrell (former Southern representative) and others were in charge of the ex-

Jackson Belt Lacer.

This space showed the machine for the Jackson endless wire belt lacing and also products of same.

Diamond States Fiber Co. This company showed their line of cans and boxes, the quality and appearance of which attracted much attention. They are well known to Southern mills with which they do a large busines

Wm. Firth.

A very interesting exhibit was that of Wm. Firth. Besides the Dustless Card Stripper which is well known in the South, they showed as a new product broomless floor sweepers. The No. 1 machine is for driven from the traction wheels. the lint from under machines while 2 machine is designed to pick up the lint from the floor by air suction. Both machines are to be pushed by hand and the fan system is

is interesting to know that these of the Dary Ring Traveler Co., caris interesting to know that these machines were evolved from an invention of Geo. Harris, superintendent of the Lanett (Ala.) Cotton Mills.

Visited Dary Ring Traveler Co.

On Thursday of last week John E. Humphries, Southern representative of the Dary Ring Traveler Co. Those in the party were S. C. Thomas, Spartanburg, S. C.; J. W. Kelly and J. M. Alexander, Pelzer, S. C., and C. H. Strickland, Belton, S. C.

Among Those Present

There being no registration system at the Textile Mashinery Exhibit in Boston, Mass., it was impossible to get a complete list of Southern men present, but we endeavored to make a note of those whom we saw and while some that we saw are possibly omitted the following is a almost complete list of those from the South, who were present in the exhibition 'hill:

Alabama.

Scott Maxwell, Cordova. J. J. Bradley, Huntsville. J. A. Roundtree, Mobile. M. M. McCall, Opelika. T. H. Rennie, Pell City. George S. Baker, Mobile.

Georgia.

J. W. Horner, Atlanta. L. L. Arnold, Atlanta. John Hill, Atlanta. R. V. Porter, Atlanta. A. B. Carter, Athens. D. D. Towers, Canton. J. A. Mandeville, Carrollton. Gordon Johnstone, Atlanta, Ga. S. Y. Austin, La Grange. Fuller E. Callaway, LaGrange. H. P. Park, La Grange.

Mississippi.

T. L. Wainwright, Stonewall, Miss.

North Carolina.

Eugene Holt, Burlington.

S. B. Alexander, Charlotte. E. T. Garsed, Charlotte. David Clark, Charlotte. R. M. Miller, Jr., Charlotte. Paul F. Haddock, Charlotte. J. H. Mayes, Charlotte. Allen Milliron, Charlotte. Rogers W. Davis, Charlotte. Charles W. Pierce, Charlotte. A. L. Jackson, Charlotte. W. H. Porcher, Charlotte. Stuart W. Cramer. Charlotte. W. H. Bigelow, Charlotte. Albert Escott, Charlotte. A. J. Crampton, Charlotte. Fred H. White, Charlotte. J. Leak Spencer, Charlotte. Kirl Bicknell, Charlotte.

D. C. Dunn, Charlotte.

E. C. Dwelle, Charlotte. Fairbanks, Charlotte. E. A. Fairbanks, Char H. H. Boyd, Charlotte.

B. C. Cooke, Charlotte. C. W. Johnston, Charlotte. C. B. Bryant, Charlotte.

Horace Johnson, Charlotte. T. M. Constable, Charlotte. W. Thomason, Charlotte.

William Lee, Charlotte, T. V. Terrell, Cooleemee.

W. B. Bruton, Concord. J. W. Cannon, Concord. J. W. Cannon, Jr., Concord.

T. H. Webb, Duke, N. C. W. F. Carr, Durham.

D. H. Jones, Fayetteville. J. M. Butler, Fayetteville. A. H. Vann, Franklinton.

A. E. Moore, Gastonia.

George B. Cocker, Gastonia. R. W. Glenn, Greensboro. T. E. Gardner, Greensboro, N. C.

D. Y. Cooper, Henderson.

John Scott, High Point. C. D. Welch, Mayesworth. H. A. Rhyne, Mt. Holly. A. N. James, Mt. Pleasant.

F. Patterson, Roanoke Rapids. J. A. Long, Jr., Roxboro. Kenneth Tanner, Rutherfordton.

W. M. Saunders, Smithfield. A. I. McDonald, St. Pauls.

A. R. McEachern, St. Pauls. T. J. Lillard, Thomasville.

Charles G. Hill. Thomasville. W. A. Ervin, West Durham. E. K. Powe, West Durham.

W. P. Phillips, West Durham.

Thomas Nelson, West Raleigh. A. H. Bahnson, Winston-Salem.

South Carolina.

B. B. Gossett, Anderson. Charles Causey, Anderson. C. H. Strickland, Belton. M. O. Alexander, Greenville. H. G. Welborn, Columbia. P. Hamrick, Columbia. S. W. Winns, Columbia. D. T. Bagwell, Columbia.

J. M. Cannon, Fountain Inn.

C. W. Spencer, Greenville. Lewis W. Parker, Greenville, S. C. J. S. Palber, Greenville. James H. Maxwell, Greenville. George McNider, Greenville. Edwin Howard, Greenville. W. E. Beattie, Greenville. Woodside, Greenville. J. D. Woodside, Greenville. G. Cobb, Inman, S. C. E. C. Gwaltney, McColl. J. M. Davis, Newberry. T. J. Digby, Newberry H. B. Jenings. Spartanburg. John A. Law, Spartanburg. J. M. Alexander, Pelzer. J. W. Kelly, Pelzer Alex. Long, Rock Hill. W. W. Moore, Rock Hill. S. C. Thomas, Spartanburg. M. G. Stone, Spartanburg. M. R. Macomson, Spartanburg. W. C. Cobb, Ware Shoals, S. C.

John E. Humphries, Walhalla. Virginia. Geo. W. Robertson, Danville.

Electric Contracts.

(Continued from Page 3.) other demand ,and that there is a certain part of the lines, transformers, meters and the like usable only by the customer. This may or may not be wholly true in any given the line could in whole or in part be used, it would follow that the fixed charges ought to be reduced to the first consumer. The idea is, however, right and equitable.

Interruptions due to loss by fire of either mill or power plant are liable to happen, but are generally correct estimate of a future power cost, as the demand can only be measured by making it, and even then it is liable to be raised at any time by a few moments' call for a little more power and once raised can never fall. It does not assume any holidays, strikes or the like and is usually the cause of a large pari of misunderstanding of a meter bill.

Sometimes the demand is deter-mined monthly and sometimes yearly, but in any case it would pay to install some form of recording meter showing the amount and time of the maximum loads, because from this data it would be possible to rearrange some part of the work with W. D. Ingle, Chester. a very material reduction of the de-Charles D. Doggett, Clemson Colleg mand charge. This charge is quite a variable one, ranging from 25 per cent to 50 per cent of the total bill. It would be evident that a large demand which always came at a time when the power company had plen-(Concinued on Page 9.)

W. H. BIGELOW

AGENTS FOR

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DISCUSSIONS BY PRACTICAL MEN

Motors Run Hot

We have more or less trouble with our motors heating. How hot can A. J. B. as a proper method of ob-they safely get without being injur- taining the weight of 1 yard of I would like to see this discussed in your journal.

E. M. F.

What Are Direct Dyes?

Editor:

dves. der this head?

I will be glad if you will take this up on your discussion page.

Second Hand.

Answer to B. G.

Editor:

In answer to G. B. I would say that a good cotton weigher in my opinion, should weigh from 550 to sizing. 600 bales per day.

Gringo.

Calcium Chloride.

Editor:

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I notice that W. P. H. in his article last week, in giving the differ- In the same way t pick in this fab- to 1 lb. If it is desired to calculate ent properties of calcium chloride ric stated that it was deliquescent substance. Then further down in the same article was the following: "When used in size it is claimed that it causes the size to be more penetrating, and assists in drying and adds weight to the goods."

Now, Mr. Editor, it looks to me like the statements that calcium chloride is a deliquescent substan and that it assists in drying are incompatible. According to my dictionary a deliquescent substance is Now. one that attracts moisture. how a substance can both attract moisture and assist in drying more than I can understand. is

Georgia Bill.

Answer to Alabama.

I see that Alabama wants to know how much a 3-inch single and a 3-inch double belt will pull. I think the following formula will give it to him.

For single belt: elt speed in feet minutes × width × 55

=H. Power 33000

If belt is running at a speed of 900 feet per minutes 900×3×55

=4 1-2 horse power.

For double belt: Belt speed in feet per Min. × width × 55×1.6

3300 If belt is running at a speed of 900 feet per minute

900×3×55×1.6 =7.2 horse power. 33000

Tight Pulley.

Answer to A. J. B.

Editor:

I would suggest the following to As I understand it, he wishes cloth. to figure the weight of a fabric 30 inches wide of 64x60 construction in which the warp is 30s and the filling 22s

In figuring on the contraction of ditor:

the warps and filling in a case of I would like to know what is the thris kind, not having the goods in real meaning of the words direct hand, the best we can do is to esti-Do sulphur colors come un- mate them from fabrics of near the same construction that we have previously examined. The same also applies to the amount of size on the warp. Therefore in the following calculations we will consider the filling, and that the warp has out 3 inches square weighs 11.2 8 per cent added to its weight by grains. Then calculating for the sizing.

Figuring on this basis 1 yard or 36 inches in the cloth will really equal 36/.93 and 38.71 inches of warp. That is the warp was contracted by the interesting in weaving from 38.71 inches to 36 inches.

After obtaining the above the following is the calculation for the weight of filling in 1 yard of cloth. 60×36×31.25

=.1014 lbs.

840×22×36

pick in 1 yard and this multiplied 31.25 gives the number of inches of filling in 1 yard. This pro- manded by those customers duet divided by 36 gives the num- demand is at "off peak" time. ber of yards of filling in 1 yard of The load factor rarely appears. cloth. As 840 yards of No. 1 yarn equals 1 lb., 22×840 yards of No. 22s yarn will equal 1 lb. We therefore divide by 22×840 and get 1014, the number of lbs. of 22s filling in 1 yard of cloth.

The next thing to figure is the weight of warp in 1 yard of cloth.

As there are 64 ends in 1 inch, in 30 inches there will be 1920 ends.

To this we add 32 ends for selvage threads making 1952 ends. As the warp in 1 yard of cloth before weaving is 38.71 inches long, we multiply 1952 by 38.71 to get the inches of warp in a yard of cloth. This is then divided by 36 to get the yards of warp in a yard of cloth. By dividing this by 840×30, the yards of 30s warp in 1 lb., we get the lbs. of 30s warp in 1 yard of cloth. 1952×38.71

=.0833 lbs. warp.

840×30×36

To get the weight of the size add
H. Power ed to the warp, we multiply .0833 by complicated by provisions allowing .08 and obtain .0066 lbs lbs. as the the adding of a future customer who a speed of weight of sizing in 1 yard of cloth, would use a part of the special con
This added to the weight of the struction. For example, a long warps gives .0899 lbs. as the weight transmission line might be built to warps gives .0899 lbs. as the weight transmission line might be built to of the warp plus size. We now add serve a large power user and after the weight of the filling .1014 lbs. several years another user might be to the weight of the warp .0899 lbs.

of 1 yard of cloth. As 1 yard weighs can be covered by liability insur-.1913 lbs., 1/.1913 gives the number ance, or by an agreed upon sum of of yards of cloth to 1 lb., which is money as "liquidated damages" for The pounds can be changed to ounces very easily in the above calculation by multiplying by 16.

A quick method of finding the weight of a cloth from a small sample is to have a templet made exactly 3 inches square out of a piece of flat metal. Lay this templet on the fabric in line with the warp and filling and cut out a sample inches square. exactly 3 weight of this sample should The carefully obtained in grains. the weight of 1 yard of cloth.

Weight of sample x width x length in grains

-=wt. in lbs of

11.2×30×36 =.1920 lbs.

9×7000 1 =5.21 yards.

.1920 30 inches of filling really is 30/.96 pounds 437 1-2 should be substituted for 7000 in the above for a should be substituted for 7000 in the above for 7000 in the 700

Electric Contracts.

(Continued from Page 8.)

ty of spare power should not be 60 is the number of picks per charged as heavily as the same de-inch, this multiplied by 36 gives the mand coming during the peak of the mand coming during the peak of the days' load. This form of metering is not common and ought to pe demanded by those customers whose

ard of The load factor rarely appears in yarn any meter bill, as it can be taken care of in demand charges so as not to appear and become a cause of Whenever there controversy. is which will be as convenient as the any attempt made to compare an electrically driven mill with a steam driven one there will almost inevitably be a discussion of the "horse "kilowatt year, power year" and usual description of the size of a piece of chalk.

Closely connected with the com-"service charge" is a charge mon for special or expensive construction necessary for the customer which might become useless if power were not bought for a number of years. Oftentimes this charge is embodied in the price made conditional to the time contract with a definite specified payment if the contract is terminated previous to its expirafound, or another plant built and if

and obtain .1913 lbs. as the weight taken as a business chance which the termination of the power contract and to be protected by an exchange of insurance policies. power company has the advantage here, as it could get another customer quicker than the mill could get any other power supply, as there would be no competitor.

When power is transmitted by alternating currents it is nearly always found that with the usual types of motors, lines and appliances that there are times when the curfollowing calculation will then give rent actually flowing through the conducting system is not at all propotional to or commensurate with the transmitted energy. Under the changing conditions of the usual commercial service this idle or false current varies from a negligible to an extremely serious amount.

The name given to the cause of this condition is "power factor." An engineer friend of the author defines it as "something that bedevils the dynamo," others often use the worse language, but a careful engineer says the power factor is the percentage ratio between the true energy and the apparent energy and that the true energy is always less than it would seem to be if judged by the current actually flowing. The more nearly 100 per cent the power factor is ,the better; it averages between 80 per cent and 95 per cent under good conditions and under bad conditions may fall, to 50 per cent; when at 71 per cent the current is twice what it would be at 100 per cent power factor, and the capacity of liens, transformers and the like is taxed as heavily as it would be with two consumers having 100 per cent, yet the purchased kilowatt hours are but those of one.

As the effect of low power factor is to render all of the electrical machinery of the company of less cafor developing real enegry and of less efficiency, there is a tendency to make a charge for it in the As the average man cannot rates. see why he should pay for something he doesn't get, some companies prefer not to make an open charge for poor power factor but to incorporate it together with the service charge, in the rate quoted.

If this charge can be properly and clearly explained it is a fair charge to make, because it is possible to so buy and operate motors as to make a very material difference current demand, and if there is an signing of a long time contract, or a advantage to be received by the purchaser he will try to get a better layout.

(Continued Next Week.)

A Steady Enlargement.

"I understand Col. Flushby gave a good account of himself in the war." "So he did, and has been giving a better one ever since."-Baltimore Sun.

SOUTHERN ILE BULL

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THURSDAY, MAY 7

Isle of Palms Next.

The Boston Exhibit.

Now that the Textile Machinery Exhibit and the meetings of the South were present last week at the American Cotton Manufacturers' Textile Machoinery Exhibit at Me-Association and the National Asso- chanics Hall, Boston, Mass., and we ciation of Cotton Manufacturers is do not believe any one of them went over we can turn our attention away disappointed or regrets the Southern Textile Association which trip. is to be held at the Isle of Palms, S. C., on June 12th and 13th.

the Southern Textile Association pended for it brought to the attenmore than any other and it is a

for the meeting this year and as a more pleasant meeting point could rot be found anywhere, we pre- tions of the leading exhibits. dict a record attendance will be found at the Isle of Palms.

completed its work and expect to fally interesting to us. be able to make an announcement next week.

The annual election of officers is the meeting.

About two hundred men from the

It was a great exhibition and while it was extremely expensive for the We always enjoy the meetings of exhibitors it was money well extion of the cotton manufacturers fact that more actual manufacturers both of the North and the South harnesses, together with the State of cotton attend its meeting than all of the latest improvements in Heddle Mfg. Co., exhibit represented the division of the cotton productions of any other association. Cotton mill machinery and gave the latest word in drawing-in methods where the secured them an opportunity to make comods.

The standardization of cotton and the South harnesses, together with the Standardization of cotton and the division of the cotton productions of any other association.

Cotton mill machinery and gave the latest word in drawing-in methods where the secured them an opportunity to make comods. parisons. On other pages in this issue will be found detailed descrip-

The program committee has about few of the items that were espec- son Machine Works exhibit.

Co., Mason Machine Works, Stuart winder. The "Progressive Winder" W. Cramer, G. M. Parks Co., Carrier shown by the Universal Winding vised as to the regulations. to be held at Isle of Palms and that Air Conditioning Co., and many oth- Co., was something entirely new. fact will lend additional interest to ers showed many refinements of

no radical departure from former not remember all of items that deexemplified by the Whitin Machine every exhibit. Works and which we have fully described elsewhere.

which have developed such systems due the thanks and appreciation, could not have exhibited them also, not only for making the exhibit but such a system on exhibit at Newton tion which they gave to all visitors. Upper Falls, near Boston, and carried many visitors to see same.

the filling wind on warp yarns, we ers may have an opportunity of atwere much interested in the Saco- tending. Lowell spooler which was built to spool from filling bobbins.

Likewise having for a long time been interested in the proposition of were interested in the Standard Condition System shown by the American Moistening Company and we predict that such a system will come into general use in Southern mills.

Those who have experienced the trouble and bad results from uneven mixing in of waste were much impressed with the double feed hopand one Southern mill man was so much impressed that he purchased the exhibited machine on the spot.

As an evidence of the hit made by the Cooleemee Quill Cleaner we mestic cotto ntrade of the country cite the fact that they sold 26 machines during the week.

From the standpoint of cleanliness the traveling thread board cleaners shown on the Fales & Jenks frame and the Broomless Floor weepers shown by Wm. Firth Co., were of much interest as was the card aspirator shown by Potter & Johnston.

The new fine goods loom of the Stafford Co., and the fact that every more to the big meeting of the expense or time required for the loom in the Crompton & Knowles that feature of the cotton trade exhibit was automatic, interested the the world have sent their presidents eavers greatly.

> The "Perambulator" shown by Barber & Colman and the American questions before the meeting: Warp Drawing, semi-automatic machines, for handling any number of

The latest development in variable speed motors were shown by the General Electric Co., and such mo-It is impossible to review all of tors were attached to the spinning them here but we will mention a frames in the Saco Lowell and Ma-

The Universal Winding Co. also While the exhibits of the Draper had a variable speed motor on a

machines and operation there were since our editor left Boston we can vised.

types One of the most interesting serve special mention, but it is not features of the exhibition was the our intention to slight anybody as two waste systems as shown and special mention could be made of

The Textile Machinery Exhibition was a success in every way and the We regret that the other shops exhibitors, each and every one are The Saco-Lowell Shops did have for the courtesy and untiring atten-

We hope that the next exhibit will be held at Atlanta, Ga., so that more Having long been an advocate of of the Southern cotton manufactur-

National Cotton Exchange.

Representatives of the thirtyconditioning yarn and filling we three cotton exchanges, and kindred organizations, represented in the National Cotton Conference, are in ssion this week at Augusta, Ga. While the cotton exchanges; spinners organizations and other cotton trades bodies will be represented by three delegates each, a great many other interested cotton men attended this week

Cotton contracts will by no means be the only feature of the cotton per on the Potter & Johnston lapper business being acted upon by this gathering, though that has been one fthe most important public questions under consideration during the past year. Modernizing the basic rules and regulations of the dopossibly will be embraced in the rec ommendations to be adopted by the conference before its adjournment. All markets in which future contracts are dealt in will, in their mestic cotton trade of the country discussion at one time or another during the conference, and an evidence of the importance of the gathering, as seen by the cotton centers which control the cotton trade of the United States, is indicated in the fact that the two largest futures exchanges in the country, probably in combination the largest influence in at the head of their delegation.

The following are some of the

Methods and regulations of all cotton markets on which futures contracts are dealt in.

leans" belt and the "Atlantic Standard." In this connection the dis-In this connection the discussion will include rules and regulations for handling cotton; mutual allowances, grades, weights and tare.

Arbitration and points at which contentions will be arbitrated will be

Shipments and deliveries to mills will be discussed and probably re-

The rules and regulations for dealing with maritime associations As this account is being written will be discussed and probably re-



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PERSONAL NEWS

- A. B. Sheppard has resigned as loom fixer at the Fort Mill (S. C.) Mfg. Co.
- E. L. Taylor has returned to his position as loom-fixer at the Anderson (S. C.) Mills.
- in the finishing department at the lanta, Ga. Brogon Mills, Anderson, S. C.
- H. W. Hersey has resigned as overseer of spinning at the Marion (S. C.) Mfg. Co. .
- C. R. Deaton has been promoted to night overseer of carding at the Jennings Mill, Lumberton, N. C.
- W. W. Gregg, of Fayetteville, N. C., has become overseer of carding at the Caswell Mills, Kinston, N. C.

Albert Wade has resigned his po-sition in the office of the Necronsett Mills, Cumberland, N. C.

- second hand in carding at the Necronsett Mills, Cumberland, N. C.
- J. Ross Cannon has been transferred from the office of the Cannon Mills, Concord, N. C., to the office of the company at Yorkville, N. C.
- W. A. Graham Clark, Commercial Agent of the Department of Com-merce is visiting his father, Judge Walter Clark, in Raleigh, N. C., after second foreign tour on which he made special investigations into the conditions of the cotton goods

W. M. Gillis, not W. M. Gibbes, James Munn, of New Bedford, has become overseer of carding at Mass., has accepted the position of the Lowe Mfg. Co., Huntsville, Ala. manager of the Lowe Mfg. Co., Huntsville, Ala.

- W. E. Armstrong has resigned his position at Cowpens, S. C., to become overseer carding at the E. A. Smith Mfg. Co., Rhodhiss, N. C.
- J. W. Smith has resigned as sec-P. Wilson now has a position Fulton Bag and Cotton Mills, At-

 - D. A. Jolly of Lancaster, S. C., has accepted the position of overseer of weaving at the Lanett Cotton Mills, West Point, Ga.
 - Mott Hagar, of Charlotte, N. C., has accepted the position of seco. d hand in carding at the Dixie Mill, Mooresville, N. C.
- W. H. Rogers, formerly of Hamer, E. E. Barneycastle has resigned as overseer of spinning at the Marion second hand in carding at the Ne- (S. C.) Mfg. Co.
 - W. N. Darby has resigned as manager of the Brevard (N. C.) Mills, to become superintendent of the Broad River Mills, Blacksburg, S. C.
 - position of second hand in carding at the Necronsett Mills, Cumberland, N. C.

George W. Green has not resigned of April 16th.

Split Lap Preventers vs. Dog Days and Poor Drafts

Our device not only stops laps from splitting, but by doing away with old "Dead Plate," they give you about 800 square inches of cleaning space that you are not taking advantage of on your pickers,

SHIPPED ANYWHERE ON 30 DAYS FREE TRIAL.

ATHERTON PIN GRID BAR COMPANY

CHARLOTTE, N. C.

Singleterry has been Marion transferred from night overseer of carding to day overseer of carding the Jennings Mills, Lumberton, N. C.

- E. C. Turner has resigned second hand in No. 1 spinning at the Bay and Cotton Mills, Atlanta, Ga., Fulton Bag and Cotton Mills, Atlan- and accepted a similar position at the Aldora Mills, Barnesville, Ga.
 - A I. Burt has resigned as overseer of weaving at the Aldora Mills. Barnesville, Ga., and accepted a similar position at the Fulton Bag and Cotton Mills, Atlanta, Ga.

Mack Boseman has resigned as overseer spinning at the Lumberton (N. C.) Mills and accepted a position with one of the mills at Danville, Va.

- W. C. Simmons, of the Grendel Mill, Greenwood, S. C., has become become assistant superintendent of the Richmond Mills, Laurel Hill,
- G. D. McKeithan has accepted the osition of second hand in carding the position of overseer of spinning at the Lumberton Mills, of that

Stephen D. Bennett has resigned as overseer of spinning at the as superintendent of the Necronsett Gainesville (Ga.) Mills as was an-Mills, Cumberland, N. C., to accept nounced through error in our issue a similar position at one of the mills at Albemarle, N. C.

- Clifton Corley, formerly of Coll. S. C., has accepted the position of superintendent of the J. Frederick E N. C. Houston Mill at Cumberland,
- B. F. Williams, who has G. F. Hyde has been promoted to overseer of weaving at the Fulton overhauling at the Judson Mills, of econd hand in No. 1 spinning at the Bay and Cotton Mills, Atlanta, Ga., Greenville, S. C., now has a similar rulton Bag and Cotton Mills, Atlantand accepted a similar position at position with the American Spinning Co., of the same place.
 - N. C. Roe has resigned as superintendent and manager of the Monticello (Ark.) Cotton Mills, to become agent of the Abingdon Mills, Huntsville, Ala.
 - A. F. Brannon has resigned as overseer spinning at the Swift Mfg. Co., Columbus, Ga., to accept a similar position at the Roanoke Mills Co., Roanoke Rapids, N. C.
 - W. C. Wiggins has resigned as second hand in carding at the Ark-wright (S. C.) Mills, to become overseer of carding at the Cowpens (S. C.) Mfg. Co.

OVERFLOW PERSONALS PAGE 16.

Canebrake Mills,

Uniontown, Ala.

C. E. Beale	Superintendent
W. T. Combz	Carder
F. E. Russell	Spinner
Robt. Flowers	Yard Overseer
H C Felts	Master Mechanic



Cramer System of Air Conditioning

WITH OR WITHOUT

Automatic Regulation of Humidity and Temperature

Moderate in Cost

Cheap to Operate

Yields Big Returns

STUART W. CRAMER

CHARLOTTE,

NORTH CAROLINA

MILL NEWS ITEMS OF INTEREST

Winston-Salem, N. C.-The Arista Mills have placed an order with Potter & Johnston for a breaker lapper with double hopper feed, the small hopper being for waste.

Rockingham, N. C.-The Hannah Pickett Mills will place in operation for electric drive in its mills thirtyeight new motors ranging from 3 h. to 20 h. p., the order for all of which has been placed with the General Electric Comnay.

Elizabeth City, N. C.-The new Pasquotank Hosiery Mills have decided to erect a 100x59 foot brick building, one story high. They will receive bids until May 15 for the building. The plant as previously noted, will be equipped for a daily capacity of 300 dozen pairs of hose.

Columbia, S. C.—The Columbia Mills, manufacturers of duck, ac-cording to a statement by Agent Singleton Green, of the company, have a contract with the govern-ment for tent duck cloth that will require about three weeks to fill.

Landrum, S. C.—It is understood that the inducements offered by the town to those who are contemplating the erection of a weave mill have been accepted and that work will begin in a few days on the building.

Anderson, S. C .- All information presented to the directors of the Gluck Mill at a meeting held last week seemed to indicate that the affairs of the mill are in fine shape. The directors met at the mill office and went over every feature of the work now under way by this mill and said that they found things in splendid shape.

Among the well known mill men in the city for the meeting and taking an active part in all the questions considered was W. H. Wellington of Boston, the president of the mill, while Francis B. Sears, the secretary and treasurer of the was also present.

At this meeting of the stockhold-ers the following board of directors was elected for the coming year: W. H. Wellington, C. E. Riley, Francis B. Sears, T. O. Nicholson, J. Louis Cray, N. B. Sullivan, R. S. Louis Cray, N. B. Sullivan, R. S. Ligon, J. R. Vandiver and R. E. Lig-In turn the following gentlemen were elected as officers of the institution for the next year: W. H. Wellington, president; J. R. Vandiver, vice president; Francis B. Sears, secretary and treasurer, and Robert E. Ligon, general manager.

Greenville, S. C.—The Camperdown Mills and the Union Bleachery will answer in the state courts the charge of violating Section 772 of the state code, which section pro-hibits the putting of matter poisonous to fish in the streams. It is alleged in the warrants that these two firms allow substances deadly to fish to flow into the Reedy river.

The warrants were sworn out beA. J. Graham, of the Camperdown mate amount of a claim to be pushfore Magistrate Stradley by V. F. Mill said that his company would ed against the company. The water Funderburk, assistant to Chief Game Warden Richardson. The varrant alleges that the defendants casting into and permitting to flow into one of the inland waters, to wit;

fight the case.

Wilmington, N. C .- A judicial in-"did unlawfully, wilfully violate quiry i being conducted by the city section 772 of the criminal code by council to ascertain whether or not council to ascertain whether or not the Bellwill Cotton Mills has been using water from the city mains for Reedy river, impurities that are which it has not been paying the poisonous to fish and destructive to city and, if so, when the use first their spawn." The warrants in the two cases per day during this period, the purwere identical in their accusations, pose being to arrive at approxi-

ed against the company. The water and sewerage department conducted an investigation which led to the belief that the city water was being used by the cotton mills.

John D. Bellamy, president of the mills and attorney for the corporation, was present and offered to aid the council in any way possible for the fullest and most thorough investigation, saying that he would waive all rights he might have under law and permit witnesses summoned from the mills to testify and also stated that he would produce for the inspection of the council the books of the company if desired. He stated that he did not like the intimation that had been given out by the department of water and sewer age that his company had tapped the water mains and was intentionally using the city water without paying for it. He also attacked the council for letting him get his first information of proposed inquiry through the newspapers instead of communicating with him as soon as it had obtained information to base suspicion that the city water supply was being wrongfully used by the When Councilman Loughlin reminded him that he had mailed him a bill last Tuesday night for \$3,000 back water rent, sending him one personally and as well as one to the Bellwill Mills, and that further all the officers and employes at the mill were aware of the investigation made at the plant Tuesday afternoon by the councilman and employes of the water and sewerage department. Mr. Bellamy stated that he received the bill along with a mass of other mail and not looking at it carefully thought it was for \$30, which is about the amount the city charges the company for twoinch pipe run into the plant to afford fire protection. The case has not yet been settled.

Textile School Opens For Summer.

The Textile Industrial institute, located at Saxon Mills. Spartanburg, S. C., opened its first summer session this week with the largest enrollment of boarding students in the history of the institution. Thirty seven young men and women are now lodged in the recently completed Hammond hall, one of the handsomest dormitories of its kind in the state. While a catalogue has not been issued in two years and has no effort towards drumming students has been carried on in a like period, the building is already pretty well full, and the management foresees an early demand for another building. D. F. Camak, president, is very enthusiastic over the good opening, as some misgivings had been felt about the advisability of attempting to run the school in the summer. Unlike other schools, this institution gives only two months as holi-day, the month of April and the month of August, and two weeks for Christmas.



John P. Marston

Gum Tragasol Kerston Softener Bleaching Assistant Bleachers Blue

247 Atlantic Ave.

Boston

Don't Pay Good Money for Impractical, Unmechanical and Often Worthless Fountains.

Here is a practical Fountain, we combines the Faucet and Bubble tures—takes care of the overwaste and insures

SAFETY AND SERVICE

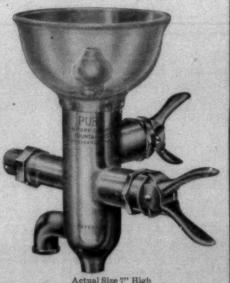
SAFETY PURO SERVICE ALWAYS

Is made of heavy brass with extra heavy nickel plate. Bubbler easily controlled by separate "squeeze" handle. No spurts—no choking—inside regulation prevents "shower-bath." Faucetis controlled by another squeeze handle. Faucet gives full water pressure. Has thread for hose if wanted.

and water pressure and we'll present an interesting proposition to you promptly.

Puro Sanitary Drinking Fountain Company

342 Main Street, Haydenville, Mass.



Box Party in New York.

On Monday night, April 27th, the following men enjoyed a box party at one of the leading New York at one of the leading New York theatres, the play being Potash & Pulmutter: M. O. Alexander, Supt. Woodside Mills, Greenville, S. C.; J. M. Cannon. Supt. Fountain Inn (S. C.) Mfg. Co.; T. J. Digby, Supt. Mollohon Mills, Newberry, S. C.; J. J. Bradley, agent Merrimack Mills, Huntsville, Ala.; E. N. Sitton, Prest. Pendleton Mfg. Co., Autura, S. C.; A. B. Carter, Victor Shaw Rring Traveler So., Athens. Ga.; J. S. Palmer, W. S. Gutta Percha Paint Co., Greenville, S. C.; J. W. Horner, with W. S. Gutta Fercha Paint Co., Greenville, S. C.; J. W. Horner, with W. H. Bigleow, Atlanta, Ga.; A. St Onge, Brown-St Onge Co., Provi-dence, R. I.; J. M. Davis, Supt. New-berry (S. C.) Cotton Mills, and David Glark, editor Southern Textile Bul-

Crompton-Knowles Entertained.

On Friday of last week a large number of the mill men who were attending the Textile Machinery Exhibit went to Worcester, Mass., to inspect the shops of the Crompton & Knowles Loom Works, and were entertained at a dinner by that com-pany S. B. Alexander Jr. and E. pany. S. B. Alexander, Jr., and E. T. Garsed of Charlotte, N. C., were in charge of the party.

Mill Overseer is Not Located.

Relatives of W. E. Poole, the cloth room overseer in Whitney (S. C.) Mills, who mysteriously disappeared from his home Tuesday night of last week, believe that the man is in Atlanta, and that his brother, J. K. Poole, recently of Gaffney, is with him. No word has been received from the missing man, and so far as can be ascertained no effort is being made to locate him.

A report came from Whiney that W. E. Poole left Spartanburg on train No. 35 going south, Tuesday night, and it has been stated that J. K. Poole left Gaffney on the same train. The Gaffney connection with the story is taken from the Gaffney Ledger as follows:

"The strange disappearance of W. E. Poole, overseer of the cloth room of the Whitney Mills, in Spartan-burg, which occurred Tuesday night, may possibly be connected with the disappearance of J. K. Poole, his brother, from this city at the same time.

"When it became known that W. ·E. Poole had disappeared, leaving a note stating that it was his intention to commit suicide and giving structions concerning the disposition of his body, an attempt was made to get in communication with J. K. Poole, of this city. It was then discovered that Gaffney's Mr. Poole had also disappeared, taking his family with him. No word has been received from him or his family, but

WILLIAM FIRTH, President



is a problem—the problem that taxes the best in any manager-leads directors to seek the best managers. Its final test is efficiency-in the man and machinery.

Plant Young

THE TURBO HUMIDIFIER

was designed on the idea of plain, old-fashioned efficiency. Something that would keep young a long time; something that would do the work and give busy managers time to think of other problems. We want to talk to you on these lines-and these only.

THE G. M. PARKS CO.,

Fitchburg, Mass.

Southern Office Commercial Building, Charlotte, N. C. J. S. COTHRAN, Manager.

THE "STANDARD"

BALING PRESS



FOR

COTTON MILLS

AS MADE BY

Boomer& Boschert Press Co.

No. 104 West Water St.

SYRACUSE, N.Y.

SEND FOR CATALOG

since J. K. Poole took his family with him, it is commonly supposed that he merely wished to change residence and so left the city without telling anyone about it.'

To Maunfacture Bobbins and Spools.

The Avery Bobbin Co., of Monte-zuma, N. C., has incorporated with a capital stock of \$25,000, and will engage in the manufacture of bobbins, spools and skewers. The incorporators of the new concern are E. M. Hodgin, C. W. Pearson and E. C. Guy.

Hard Yarn Spinners to Curtail.

A meeting of the Hard Yarn Spinners was held in Charlotte on Wed= nesday and it was voted to curtail one-third for the next 90 days. The mills reserved the right to curtail by either stopping one-third of their machinery or stopping for two days each week.

A resolution was also passed that no yarns should be sold at less than profitable prices for the next 30

New Universal Winding Company Representaitve.

S. F. Owens of Boston, Mass., has been sent to Charlotte, N. C., by the Universal Winding Co., to be asso-ciated with A. L. Jackson as Southern representative. Chas. W. Pierce who has temporarily been acting as Southern representative, will return to his former position at the Boston Mr. Pierce is very popular with the Southern cotton manufacturers and they will regret to learn that he is to leave, but we welcome Mr. Owens as his successor.

Whitmire Man is Shot at Greenwood.

Will Stanley, a young cotton mill operative, was shot Sunday morning at Greenwood, S. C., by W. Cal Stroud, also a mill operative from Whitmire, and died at 11 o'clock at a Greenwood hospital from the effect of the pictol wound. The bullet entered the chin and crashed through to the base of the brain. From the testimony adduced at the inquest it appears that L. P. Stroud and Will Loveless decided Saturday night to come to Greenwood from Whitmire. On their way to the depot they met Will Stanley and per-suaded him to come with them. They arrived about 3 o'clock in the morning and were met by W. Cal Stroud, the man who did the killing. In the testimony it was stated that the young men had three pints of whiskey. A quarrel started over Stanley's having carried a pistol. After a few words a scuffle started and shortly afterward W. Cal Stroud shot Stanley. He was carried to the hospital and died about 11 o'clock. Stroud, who did the shooting, and Loveless, a witness, are both in jail.

AMERICAN MOISTENING COMPANY

BOSTON, MASSACHUSETTS

FRANK B. COMINS, Vice-Pres. & Treas.

THE ONLY PERFECT SYSTEM OF AIR MOISTENING COMINS SECTIONAL HUMIDIFIER. JOHN HILL Southern Representative, Third Nat. Bank Building, ATLANTA, GEORGIA

Cotton Goods Report

New York.-Taken as a whole last week the cotton goods market was quiet. Drills and sheetings were soft in spots and buyers will not take anything they do not call Prices on some of the print cloth constructions have eased off again. Small duplicate orders for fancy printed cloths continued to come in last week and made up the greater part of the sales of wash fabrics for nearby use. . There was a noticeable improve-

ment in orders coming forward during last week from different sections of the South. Weather conditions have been more favorable for moving summer merchandise and retailers are calling for addi-tional supplies from jobbers in New York. Aside from the slightly better demand for summer merchandise, little change was seen in the market last week. Some houses had calls for filling in orders and there were more inquiries for goods

on forward contracts. Government contracts, on account lows: of the Mexican trouble, continued to cause much discussion textile trade. As a result, the operations of speculators in ducks, notably army duck, for tent and other purposes, leading handlers of these lines have stiffened their prices considerably. Officially the Government has called for nothing in the way of supplies, but intimations have been received in the trade for duck manufacturers to hold themselves in readiness to supply Government needs should they be called upon. The rumors have undoubtedly strengthened the duck markets. However, the other parts of the market have not been affected placed, it is not expected that any Kid finished cambrics 4 3-4-particular effect will be noticed.

The gray goods market by the strengthening of the duck

The gray goods market quiet with prices easy, 60-48s are quoted at 4 1-4 cents, 38 1-2 inch 64-60s have sold at 4 15-16 cents, 27 inch 64-60s have sold at 3 1-4 cents. 72-76s are quoted at 6 3-8 cents. 80 squares sold at 7 cents, and in some cases can be had at slightly under that price.

This has been the quietest week during the last year in the Fall River print cloth market, with trading extremely dull and inquiry very light. Orders placed by buyers were usually in small lots and for spots and quick delivery. The for spots and quick delivery. The total sales, brokers report, will not exceed 50,000 pieces for the week, the lowest week's business recorded in a year, at least.

Manufacturers express keen disappointment at the failure of conditions to improve. For many weeks now with no more than one or two exceptions, trading has been light and the mills have been holding out hopes from week to week that there would be a change. It was expected that buyers and converters would abandon at any time their piecemeal policy and contract for goods a considerable period ahead. In this belief the mill men have been disap-

pointed and talk of curtailment which has been going on for the last few weeks now is heard stronger than ever. Manufacturers are as yet discussing this only informally, but they do not hesitate to say that a curtailment policy must be put into effect here very soon unless there is a decided improvement in market conditions and they no longer appear optimistic about this condition developing.

There was little pressing for con-

cessions, however, where goods were wanted quickly. Prevailing prices wanted quickly. Prevailing prices were paid without hesitation. Only immediate needs were covered in this way and very few contracts were placed. What goods have been contracted for ahead are for delivery not later than the middle of July.

Sateens continued quiet, although there was still some effort made to secure concessions, but this was resisted by the mills.

Prices in New York were as fol-

Print cloth, 28-in, std 3 5-8	
	0 5 40
28-inch, 64x60s3 3-8	3 7-16
4-yard, 80x80s 7 1-8	
Gray gds, 39-in, 68v72s 5 3-8	
38 1-2-in, standard 5 1-8	5 1-4
Brown drills, standard 8	-
Sheeting, So., std 8	
3-yard 7 1-4	-
4-yard, 56x60s 6	6 1-8
4-yard, 48x48s 5 7-8	1
4 1-2-yard, 44x44s 5 3-8	
5-yard, 48x52s 5	_
Denim, 9-ounce14	17
Stark, 9-ounce, duck14	
Hartford, 11-oz., 40-	
inch., duck16 1-2	_
Ticking, 8-ounce13 1-2	
Standard, fancy print 5 1-4	-
Standard, ginghams 6 1-4	

Hester's Weekly Cotton Statement.

Comparisons are to actual dates not to close of corresponding weeks: In thousand bales. In sight for week 92
In sight same 7 days last year 103 In sight for the month...... In sight same date last year ... In sight for season In sight same date last year.. 1,312 Pt. receipts for season...... 9,824 Pt. receipts same date last y'r. 9,359 Overland to mills and Canada for season do same date last year So. mill takings for season.... 2.600 do. same date last year..... 2,429 Interior stocks in excess of Septmber 1 do last year

Gabe-Why was Jaggs fired? Steve-He was loaded.-Ex.

Total visible this week

Of this the total American this

do last year 3,164

Capital, Labor and Factory Site Waiting for a Textile Industry

A hustling North Carolina county seat town offers liberal in-ducements to those experienced in establishing and successfully operationg a textile industry.

High-class labor is available locally-liberal stock subscriptions will be made and a factory site is offered free.

The Southern Railway furnishes excellent freight and passen-

For particulars refer to File 47178 and writing

M. V. Richards, Land and Industrial Agent

Room 129

SOUTHERN RAILWAY

Washington, D. C.

GRINNELL WILLIS & COMPANY

44-46 Leonard Street, New York

SELLING AGENTS

BROWN AND BLEACHED COTTON GOODS FOR HOME EX-PORT MARKETS

RICHARD A. BLYTHE

Cotton Yarns Mercerized and Natural ALL NUMBERS

505-506 Mariner and Merchant Building

PHILADELPHIA. PA.

The Desirability of the South

as the place to manufacture cotton goods is illustrated in the increase of 67% quoted by census department. We can offer attractive situations for those desiring to enter this field.

J. A. PRIDE

General Industrial Agent, Seaboard Air Line Railway NORFOLK, VIRGINIA.

IMPROVED INMAN AUTOMATIC BANDING MACHINES

COLE BROTHERS PAWTUCKET, R. 1.



The only automatic machine in the world for making loop bands for spinning frames. Superior quality of bands without any cost of making. All bands exactly alike and no stretch of bands after they are put on. Saves child labor.

Also Beaming Machine to beam on to slasher beams.

The Yarn Market

Philadelphia, Pa.-The yarn marhere last week was the dullest of the season. There were some spot sales of as high as 50,000 pounds, but generally the sales were for small lots and the aggregate volume of business was not large. The accumulation of yarns continues large, and shows no signs of decreasing, and is now said to be lar-ger than for any time in five years. Some of the manufacturers of

light weight underwear say there is some improvement shown in their lines. Some of the knitters reported that their business last week was the best of the season and that duplicate business was better than was looked for. Sales of 24s Southern frame spun were made for 23 1-2 to 25 1-2 cents for spot and quick deliveries. Sales of the coarse numbers were made on the basis of 20 and 20 1-2 cents for 10s.

Combed yarns had another poor southern Frame Spun Yarn on Cone: week. The demand for both single and ply was very light. The call for lisle yarn was also small. In some cases where manufacturers use both carded and combed yarns and had a larger quantity of carded yarns delivered.

Some dealers expressed the opinion that there was a decided change for the better in the carded yarn situation last week. They claim this is shown in the fact that a number of manufacturers accepted deliveries for the first time last week in a month and in each case took more than their usual amount. They claim that the fact that they asked for deliveries shows that they have used up whatever stocks they had at the mills.

Southern Single Skeins.

83		18	1-2-19
			-20
12s	**********	20	-20 1-
148	**********	21	_
16s		21	1-2-
20s		22	1-2-23
268		24	_
30s	********	26	

Southern Two-Ply Skeins:

				-		
48	to	88	 		18 1-2-19	1-2
10s			 		19 1-2-20	
128			 		20 —20	1-2
148		**			20 1-2-21	
16s					20 1-2-21	1-2
208					22 3-4-23	
248					24 —	
268					24 1-2-	
308					25 3-4-26	1-4
408					30 1-2-	
50s					36 —36	1-2
608			 		44 -44	1-2

Carpet and Upholstery Yarn in Skeins:

9-4 slack		. 20 4-2-
8-4 slack		. 20 — .
8-3-4 har	d twist	18 1-2-19

Southern Single Warps:

88				á												19	-19	1
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128																	1-2-	
148		- 12														21	-	
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Southern Two-Ply Warps:

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10s	************	20 1-2-21 1-2
128		21 —21 1-2
148		21 1-2-22
168		22 22 1-2
188		22 1-2-23
20s		23 -23 1-2
30s	*************	25 —
30s		26 —
40s		31 —
50s		37 —
60s		46 —

Single Combed Peeler Skeins:

				187			
36s	 	 	 		29	1-2-30	
						-	
50s	 	 	 		37		
228						1-2-24	
						-24	1-2
						1-225	
						-25	1-2
						1-2-26	
26s	 	 	 		26	-26	1-2
30s	 	 	 		27	-27	1-2
			1-16		1974		

Two-Ply Carder Peeler in Skeins:

Wa.	. *	.6	. 6		*	*	8	38	1	*	*	*	*	*	*	20	1-2-31	
248																32	_	
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30s															*		35	-35	1-
																	39	-40	
50s						,								*	4		45	-46	
608						*	6				*		*			*	52	-53	
708												-			,		60	-	
80s		3				*						*	*		*	*	69	-70	

What is the composition ordinarily of furnace coal. I have heard a good deal about chemical tests for coal and would like to know what would be tested for in such a

A. M. Law & Co. F. C. Abbott & Co.

Spartanburg, S. C.

BROKERS

Dealers in Mill Stocks and other Southern Securities

South Carolina and Georgia Mill

Stocks.		
I	Bid	Asked
Abbeville Cot. iMlls, S. C.		100
Aiken Mfg. Co., S. C	35	
Am. Spin. Co., S. C Anderson Cot. M, S. C. pfd	150	153
Aragon Mills, S. C.		65
Arcadia Mills, S. C Arkwright Mills, S. C	100	100
Augusta Factory, Ga	100	35
Avondale Mills, Ala	115	120
Anderson Cot. M, com Belton Cot. Mills, S. C	100	20 105
Brandon Mills, S. C		70
Brogon Mills, S. C Calhoun Mills, S. C		61
Cannon Mfg. Co., N. C	120	51 1f0
Capital Cot. Mills, S. C	:::	85
Chiquola Mills, S. C Clifton Mfg. Co., S. C	105	115
Clifton Mfg. Co., pfd	100	
Clinton Cot. Mills, S. C		125
Courtenay Mfg. Co., S. C. Columbus Mfg. Co., Ga	55 82	No
Cox Mfg. Co., S. C		
Chiquola Mills, pfd D. E. Converse Cc., S. C.	78	85
Dallas Mfg. Co., Ala		85 110
Darlington Mfg. Co. S. C.		65
Drayton Mills, S. C Eagle & Phenix M, Ga	30	72
Easley Cot. Mills, S. C		175
Enoree Mfg. Co., S. C		20
Enoree Mfg. Co., pfd Enterprise Mfg. Co., Ga	65	100
Exposition Cot. Mills. Ga.		125
Fairfield Cot. Mills, S. C. Gaffney Mfg. Co., S. C	61	70 60
Gainesville C. M. Ga. com.		75
Glenwood Mills, S. C	80	
Glenn-Lowry M. Co., S. C. Glenn-L. M. Co., S. C., ptc	101	721/2
Gluck Mills, S. C	48	1271
Granby Cot. Mills, S. C	***	
Granby C. M. S. C., pfd		
Graniteville M. Co., S. C. Greenwood Cot. M, S. C	100	No
Grendel Mills, S. C	43	97
Hamrick Mills, S. C	144	102
Hartsville C. M. S. C Henrietta Mills, N. C	175	116
Inman Mills, S. C		101
Inman Mills, S. C., pfd		100
Jackson Mills, S. C King, John P. Mfg. Co., Ga	90	101
Lancaster C. M. S. C.	130	***
Lancaster C. M., S. C., pfd Langley Mfg Co., S. C	97	75
Laurens Cot. Mills, S. C.	70	100
Limestone C. M., S. C	125	
Lockhart Mills, S. C Marlboro Mills, S. C	125	75
Mills Mfg. Co., S. C	110	
Mollohon Mfg. Co., S. C.	•••	90
Monarch Cot. Mills, S. C. Monarch Cot. Mills, S. C.	115	90 .
Newberry Cot. Mills, S. C.	112	***
Ninety-Six Mills, S. C Norris Cot. Mills, S. C		150
Olympia Mills, S. C. 1 pfd		100

Orangeburk M. Co., pfd ... Orr Cot. Mills, S. C

Charlotte, N. C. BROKERS

Southern Mill Stocks, Bank Stocks N. C. State Bonds, N. C. Railroad Stock and Other High Grade Securities

North Carolina Mill Stocks.

North Caronna Mill	Stoc	KS.
	Bid.	Asked
Arista		
Arista		100
Avon	100	***
Brown, com	115	
Brown, pfd		100
Cabarrus	210	
Cannon	150	
Chadwick-Hoskins, pfd.		100
Chadwick-Hoskins, com		85
Chronicle		160
Cliffside		195
Dakota	125	
Dixie	160	
Entwistle	100	115
Efird	115	121
Erwin, com		155
Erwin, pfd if	02	105
Flint Mill	200	234
Gibson	109	111
Gray Mfg. Co		130
Henrietta		127
Highland Park	190	
Highlano Park, pfd		102
imperial	. 130	
Kesler	140	
Loray Mfg. Co., pfg		85
Loray, com	10	
Lowell	200	
Majestic		150
Laula		70
Patterson	20	
naleign	. 85	***
Vance	70	
Washington		100
Wiscassett	150	
011		
Ottaray Mills, S. C		
Oconee, com		100
Oconee, pfd	. 1	00∫
Pacolet Com		103
Pacolet Mfg. Co., pfd	. 100	&int.

	Wiscassett	150	
	Ottaray Mills, S. C Oconee, com		100
16	Oconee, pfd	- 10	O∈
	Pacolet Com		103
	Pacolet Mig. Co., pfd	.1008	kint.
	Parker, Com	. 6	***
	Parker, pid	30	
	Parker Cot. M. Co., guar	85	90
	Pelzer Mfg. Co., S. C	115	***
	Pickens Cot. Mills, S. C Piedmont Mfg. Co., S. C	90	100
	Poe, F. W. Mfg. Co., S. C.	140	145
	Richland C. M., pfd	***	92
	Riverside Mills, S. C		25
	Roanoke Mills, N. C	140	160
	Saxon Mills	115	120
	Sibley Mig. Co., Ga	45	52
	Spartan Mills		116
	Toxaway Mills, S. C		
	Tucapau Mills, S. C		***
	Union-Buffalo M. 1st pfd		35
	Union-Buffalo, 2d pfd	5	10
	Victor Mfg. Co., S. C		
	Ware Shoals M. Co., S. C.	70	
	Warren Mfg. Co., S. C	61	
	Warren Mfg. Co., S. C.,pfd		35
	Whitney Mfg. Co., S. C		95
	Williamston Mills, S. C		95
	Woodruff Cot. M, S. C	95	100
	The Comment of the Contract of	00	100

Woodside Cot. M, S. C... ...

Williamston Cot. M, pfd ... 85

Personal Items

J. P. White has resigned as second hand in spinning at the Chadwick-Hoskins Mill No. 3, Charlotte, N. C.

W. F. Honeycutt has resigned as overseer if spinnin gat the Chadwick-Hoskins Mill No. 3, Charlotte, N. C.

· W. F. O'Pry has resigned as overseer of spinning at the Dan River Mill, Schoolfield, Va., to accept a similar position at the Chadwick-Hoskins Mill No. 3, Charlotte, N. C.

H. T. Hannah, from the Dan River Mills, Danville, Va., has become second hand in spinning at the Chadwick-Hoskins Mills No. 3, Charlotte, N. C.

B. R. Dabbs has resigned as overseer of dyeing at the Highland Park Mill No. 3, Charlotte, N. C., to become traveling representative for the Arabol Mfg. Co., of New York. He will travel Georgia, Alagama and Tennessee, with headquarters at Atlanta.





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F. STORER CRAFTS, Gen. Manager

THE FELTON BRUSHES



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Manufacturers and Repairers, ATLANTA, GA.

Bradford Soluble Grease



ing of cotton Fabrics. Used extensively both by finishers of colored goods and bleachers in finish of white fabrics. Any degree of "softness" may be obtained by the proper use of this article. A neutral

NEXCELLED as a softening agent in the finish-

preparation. Write for recipe for finishing.

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100 William Street, New York

CAMERON MacRAE Southern Sales Agent CI

Southern Sales Agent CHARLOTTE, N. C.

Have You noticed the

SOLID

in "Garland" Loom Harnesses?

The loops of our loom harnesses are filled with varnish, every one, and are as solid as the best varnish can make them. This prevents the eyes from working loose and breaking the warp threads which means better weaving and more of it.

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Saco, Maine

"Is this a first class restaurant?"
"Oh, yes," answered the waiter,
"but we will serve you."

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By maintaining Quality and Uniformity.

By giving the Trade a Sizing that is ALL SIZING and absolutely no water used in its manufacture. Our Chief Aim is to please our customers and produce better results for less money.

We have confidence enough in our goods to send sample barrel on approval, freight paid, and a practical man to demonstrate our claims.

THE KEEVER BROS. CO.,
Manufacturers of "K. B." SPECIAL SIZING.

289 Market Street, NEWARK, N. J.

Want Department

Want Advertisements.

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the Southern Textile Bulletin affords a good medium for advertising the fact.

Advertisements placed with us reach all the mills.

Employment Bureau.

The Employment Bureau is a feature of the Southern Textile Bulletin and we have better facilities for placing men in Southern mills than any other journal.

The cost of joining our employment bureau is only \$1.00 and there is no other cost unless a position is secured, in which case a reasonable fee is charged.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment

Jacquard Fixer Wanted.

Wanted a good Jacqard loom fixer for about 9 0days. 14 looms to section, pay \$2.00 per day. Address P. O. Box 215, Fountain Inn. S. C.

Advertiser would like to get in touch with a first-class fixer for Davis and Furber Cards working cotton waste. To a steady competent man, and no other need apply, good wages will be paid. Address No. 1040, this office.

For Sale.

300 sets loom harness 1210 eyes per shade spread on 44-inches, 2 shades per set, or 2420 eyes to set, for 60 pick in sley, 300 reeds to match. Also i cloth stamping machine, made by Saco-Lowell Shops. The machine has never been run. The harness and reeds have never been taken out of boxes and crates. The harness are cable twine, made by Andrews Loom Reed and Harness Co., Spartanburg, S. S. Address M, care Textile Bulletin.

Beamers Wanted.

Want one or two long chain beamers. Piece work and good wages paid. Address No. 1045, care Southern Textile Bulletin.

Roller Shop Wants Location.

Wanted—A good stand for a roller shop to do piece work. Prefer a community nearby mills which have no shops close. Have 12 years experience as roller coverer and can give best references. All who are not getting their work promptly write for further information. Address "Roller Shop," care Southern Textile Bulletin.

Fore Sale.

For Sale at sacrifiec figures, in whole or in part, Power Plant Machinery consisting of:

Machinery, consisting of: One 750 H. P. Gross Compound Corliss Engine.

One C. H. Wheeler surface

condenser and pump.
Two 150 H. P. return tubular high pressure boilers.

One 25 K. W. lighting generator and 40 H. P. Liddell engine. One 85'x4' heavy steel stack and breecher.

One main driving belt and generator driving belt.

1000 feet miscellaneous mill shafting.

164 bearings and hangers. 192 cast iron pulleys ranging from 28 to 40 inches diameter.

Equipment in excellent condition. Can now be seen in operation. Confer with Yadkin River Power Company, Acting Sales Agents, Raleigh, N. C.

Wanted to Buy.

Wanted: Second hand warper with ball and linker attachment. Athens Mfg. Co., Athens, Ga.

WANT position as overseer of carding at not less than \$3.00 per day. Now employed as overseer of carding, but wish to change for larger room. Good references. Address No. 643.

WANT position as superintendent of a good mill at a reasonable salary. Have had long experience and always made good, can furnish satisfactory references. Address No. 644.

WANT position as overseer of weav-Now employed, but prefer to change. Long experience on plain and fancy weaving and good references. Address No. 645.

WANT position as superintendent. Now employed, but wish to change for good. Have had good experience on both white and colored goods and can furnish satisfactory references. Address No. 646.

WANT position as superintendent. Now employed and giving satisfaction, but wish larger mill. Am expert carder and have had long experiences as superintendent. Good references. Address No. 647.

WANT position as superintendent. Have had long experience on both coarse and fine goods and can furnish good references as to character and ability. Address No. 648.

WANT position as superintendent in mill from 5,000 to 25,000 spindless. 20 years experience in carding and spinning on Nos. 6's to 60's. Both carded and combed peeler yarns; all kinds of ctton. White and colored weaving and

hosiery yarns. Will not consider anything under \$4.00 a day. Am now employed as spinner in a 15,000 hosiery yarn mill. Address No. 649.

WANT position as overseer of carding. Now employed and giving satisfaction, but want larger job. Have excellent references from present and past employers. Address No. 650.

WANT position as overseer of carding. Married. Age 36. Sober and of good habits. Understand care of machinery, management of help and am hustler for production. 24 years experience. Address No. 651.

WANT position as superintendent or manager of either yarn or cloth mill. Am experienced on hosiery yarns. Competent and reliable. Can invest some capital in good proposition. Address No. 652.

WANT position as superintendent or would take position as overseer of spinning i nlarge mill. Have had long experience in carding and spinning and have erected machinery for about 6 years. Can furnish good references. Address No. 653.

WANT position as overseer of spinning. Age 42. Married. Strictly soher. Have long experience on both coarse and fine white and colored work. Address No. 654.

WANT position as superintendent or overseer of weaving. Now employed and giving satisfaction but prefer to change. Can furnish best of references. Have had long experience. Address No. 655.

WANT position as superintendent of small mill, or earder and spinner in large mill. Have had long experience and can give satisfaction. Am a textile graduate. Address No. 656.

WANT position as overseer of carding. Am experienced on both coarse and fine numbers, white and colored. Prefer Georgia or South Carolina. Sober. Good manager of help. Satisfactory references. Address No. 657.

WANT position as overseer of spinning. Now employed but want larger job. Can furnish good references both as to character and ability. Address 658.

A GOO DCARDER who quit the mill a year ago and took a canvassing position for his health now wishes to get into correspondence with the manager of some good mill needing his services. Will not consider less than \$3.00 per day. Address No. 659.

WANT position as overseer of weaving at not less than \$4.00 per day. 8 years experience as overseer of weaving and can furnish the best of references. Address No. 660.

WANT position as superintendent. Have had long experience and given entire satisfaction. Reason

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for changing better salary. Age 45. Married. Strictly sober. Experience from ground up on both white and colored goods. Address No. 661.

WANT position as superintendent of yarn mill. Have had several years experience and ca nget results. Can give former employers as references. Can come on short notice. Address No. 662.

WANT position as superintendent. Have had long experience and have always given satisfaction. order mill in South Carolina. Fine reference. Address No. 663.

WANT position as overseer of large card room or as assistant superintendent. Now employed as superintendent of small mill, but want larger job. Long experience and good references. Address No. 664.

WANT position as superintendent. Have had long experience as superintendent of New England mills but wish to move South. Experienced on fine goods. Can furnish satisfactory references. Address No. 665.

WANT position as overseer of spinning. Now employed but prefer healthier location. Can furnish reference as to character and ability. Address No. 666.

WANT position as superintendent or overseer of weaving. Held one position seven years and can give all former employers as reference. Address No. 667.

WANT position as superintendent or carder and spinner. Especially experienced in card room. Can give fine references and good reason for wanting to change. Address No. 668.

WANT position as carder in large mill or superintendent of small mill on hosiery yarns. Now employed and giving satisfaction, but prefer to change. Good references. Address No. 669.

WANT position as receiver of cotton for cotton mill, by young man with 10 years expereince handling cotton. Can class, weigh, check, or do anything there is to do with cotton. Also had some experience in cotton mill office. Satisfactory references furnished from my past and present employers. Write No. 670.

If you want to elimi-



is the one lubricant that will help you do it. A large tree oll help you do it. A large tree sample will quickly prove this. Send for it.

- of small mill or assistant superintendent of large mill, or weaver and designer. Long experience on both white and colored, plain and fancy goods. Fine references. Address No. 671.
- WANT position as overseer of carding. 8 years experience as maried. Good references. Can change 10 days notice. Address No.
- WANT position as overseer of weaving or finishing. Long ex-perience as weaver. Am expert cloth room and finisher man. Experienced in Anishing colored goods. Address No. 673.
- ROLL COVERER wants position in South Carolina at not less than \$2.00 per day. Have had 12 years experience. Am married and strictly sober. Address No. 674.
- WANT position as designer and master mechanic in small mill. Can handle steam or water power. Can not consider less than \$2.50. Best of references. Address No.
- WANT position as superintendent. Special experience on combed yarns, both coarse and fine. employed as superintendent and can furnish best of references. Address No. 676.
- WANT position as superintendent of weaving or yarn mill of not less than 15,000 spindles. Now employed as superintendent, but want larger mill. Fine references. Address No. 677.
- WANT position as superintendent at not less than \$1,500. Now employed and giving satisfaction, but prefer a more modern mill. Can furnish best of references. Address No. 678.
- WANT position as overseer of carding or second hand in good mill. Age 39 and have family of mill Good references from present employers. Address No. 679.
- WANT position as superintendent Now employed as superintendent small mill but want. mill. Have run carding and spinning in large mills and always given satisfaction. Address No.
- WANT position as superintendent of either yarn or weave mill or carder in large mill. Now em-ployed but want larger job. Good experience and references. Address No. 681.

- Have had 30 years expering. ience in weave room. 15 years as overseer on drills, etc. Can handle any kind of loom, but prefer Good manager of help. Address No. 682.
- WANT position as overseer of carding or spinning or both. Good reference from former employers, including my last job. Address No. 683.
- WANT position as overseer of spin-Now employed but want ning. larger job. Have had long experience on both coarse and fine numbers. Address No. 684.
- WANT position as overseer of cloth room. Age 37. Have had 15 years experience in cloth room and overseer in present cloth room for 10 years. Mill with over 80,-Can 000 spindles and 2,000 looms. hest of references. Address No. 685.
- WANT position as superintendent. Now employed as superintendent of colored goods mill, but also experienced on white goods. Can furnish good references both as to character and ability. Address No. 686.
- WANT position as superintendent. Have been superintendent of large mills and always gave satisfac-Held last position many years and had satisfactory reason for leaving. Good references. for leaving. Address No. 687.
- WANT position as overseer of weav-ing. Employed at present and getting good production, but wish to change. Can furnish references. Address No. 688.
- WANT position as overseer of spinning in mill of from 10,000 to 20,-000 spindles or second hand in large mill. Age 33. Married. Sober and steady worker. Bereferencs. Address No. 689. Best of
- WANT position as superintendent of 10,000 to 20,000 spindle mill on either white or colored work Have held present job as super-intendent 6 years. Good manager of help. Good references. Address
- WANT position as carder and spinner. Would accept position as traveling salesman. Can furnish fine references both as to charac-ter and ability. Address No. 691.
- WANT position as superintendent or as overseer of carding. Have had long practical experience and can furnish good references. Address

- make a change 25 years experience in mill 10 years as overseer. cloth and successful record can be shown from my present and past employers. 39 years old; have a family. Can come on reasonable notice. Address No. 693.
- WANT position as overseer of carding or spinning or both. 24 years experience in mill. 5 years in present position. Can give fine references. Address No. 694.
- WANT position as superintendent. Now employed in successful mill but want larger mill. Have good experiences and can furnish best of references. Address No. 695.
- WANT position as overseer of carding or second hand in good size room at not less than \$2.00 per day. Can furnish good references. Address No. 696.
- WANT position as superintendent or carder and spinner. Age 43. Married. Strictly sober. Good manager of help. Can give last job as reference. Address No.
- WANT position as overseer of weavweaving or as salesman for chemicals or sizing compounds. Long experience as overseer of weaving and slashing and can furnish sat isfactory references. Address No.
- WANT position as overseer of dyeing. 18 years on dyeing and bleaching warps and raw stock all colors. Also experienced on sizing warps. Good references. Address No. 699.
- position as superintendent of 5,000 to 50,000 spindle mill on weaving or yarn. 25 years experience in carding and spinning No. 2's to 50's both carded and peeler, white and colored work. Now employed as superintendent. Address No. 700.
- WANT position as superintnedent of yarn mill or plain weaving mill or overseer of large card room. Long expereince. Good references. Address No. 701.
- WANT position as overseer of cloth Have had experience on room. both white and colored goods and can furnish satisfactory ences. Address No. 702.
- WANT position as overseer of carding. Now employed and giving satisfaction, but prefer to change on account of location. Age 30. Married. 16 years experience in carding. References from present and past employers. Address No.

- WANT position as superintendent WANT position as overseer of weav- HIGH GRADE carder wishes to WANT position as superintendent of small mill or overseer of weaving in large mill. Now employed as overseer of weaving on fancy goods and can give present employers as reference. Also ex-perienced designer. Address No.
 - WANT position as overseer of weaving, cloth room or designing. Am expert designer and experienced fine dobby and jaquard goods, both white and colored. Now employed. Good references. Address No. 705.
 - WANT position as overseer of spinning. Have held present position 2 years and giver satisfaction, but want larger job. Age 39. Can give all former employers as reference. Address No. 706.
 - WANT position as superintendent or overseer of spinning. Now employed, but prefer to change. Have had good experence and references are A-1. Address No. 707.
 - WANT position as overseer of weaving in North or South Carolina. Expereinced on both heavy and fine goods. Expert Draper man. Have good references, Address No. 708.
 - WANT position as superintendent of yarn or plain weaving mill. Age 35. Have 24 years mill experience. Long experience as carder and spinner and superintendent. Good references. Address No. 709.
 - WANT position as master mechanic 20 years experience and can nish fine references. Have 2 dof-fers and 1 spinner. Strictly sober. Address No. 710,
 - WANT position as superintendent. Have had long experience especially on hosiery yarns. Am considered a good manager of help. Last employer is my reference. Address No. 711.
 - WANT position as carder or carder and spinner. Have had good experience both as overseer and as machinery overhauler. Can come on short notice. Address No. 712.
 - WANT-position as master mechanic at not less than \$3.00 per day. Now employed but prefer to change. Can furnish good refer-ences. Address No. 713.
 - WANT position as superintendent. Have been in present position for 14 years. Can handle any class of work, fine or coarse, white or colored, plain or fancy. Good ref-erences. Address No. 714.

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LUG STRAPS-E. H. Jacobs Mfg. Co.

MILL CRAYONS-American Supply Co.

MILL SUPPLIES-American Supply Co. Conneticutt Mill Supply Co. Southern Spindle & Flyer Co. PICKERS AND LAPPERS— Saco-Lowell Shops.

Thos. K. Chaffee Co. AND FINISHING MACHINERY— PREPARATORY MACHINERY— Fales and Jenks Machine Co. Saco-Lowell Shops.

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